

Application No.: 10/712,126 SNK-3750US4  
Amendment Dated: December 11, 2006  
Reply to Office Action of: September 12, 2006

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-77. (Cancelled).

78. (Withdrawn) A laser device comprising:

at least one laser light source including a semiconductor laser;

a first optical system for irradiating a spatial modulation element with laser light emitted from the laser light source; and

a second optical system for irradiating a screen with the light from the spatial modulation element,

wherein the laser light source further includes:

an optical wavelength conversion element for generating a harmonic wave;

and

a single mode fiber for conveying laser light from the semiconductor laser to the optical wavelength conversion element.

79. (Withdrawn) A laser device, comprising:

at least one laser light source including a semiconductor laser;

a first optical system for irradiating a spatial modulation element with laser light emitted from the laser light source; and

Application No.: 10/712,126 SNK-3750US4  
Amendment Dated: December 11, 2006  
Reply to Office Action of: September 12, 2006

a second optical system for irradiating a screen with the light from the spatial modulation element,

wherein the laser light source further includes:

a fiber for conveying laser light from the semiconductor laser;

a solid state laser crystal for receiving laser light emitted from the fiber so as to generate a fundamental wave; and

an optical wavelength conversion element for generating a harmonic wave from the fundamental wave.

80. (Withdrawn) A laser device, comprising:

at least one laser light source including a semiconductor laser;

a first optical system for irradiating a spatial modulation element with laser light emitted from the laser light source; and

a second optical system for irradiating a screen with the light emitted from the spatial modulation element,

wherein the semiconductor laser is a distributed feedback type semiconductor laser, and

the laser light source further includes a semiconductor laser amplifier for amplifying laser light from the distributed feedback type semiconductor laser.

81. (Currently Amended) A laser device, comprising:

at least one laser light source including a semiconductor laser;

a first optical system for irradiating a spatial modulation element with laser light emitted from the laser light source; and

a second optical system for irradiating a screen with the light emitted from the spatial modulation element,

wherein the laser light source further includes:

~~an optical bulk type optical~~ wavelength conversion element in which periodic domain inverted structures are formed, and

a single mode fiber for conveying laser light from the semiconductor laser to the optical wavelength conversion element,

wherein the single mode fiber is configured to prevent a variation in temperature of the optical wavelength conversion element caused by a heat generated from the semiconductor laser.

~~wherein the semiconductor laser is wavelength locked.~~

82. (Withdrawn) A laser device according to claim 78, wherein the spatial modulation element is a liquid crystal cell.

83. (Withdrawn) A laser device according to claim 79, wherein the spatial modulation element is a liquid crystal cell.

84. (Withdrawn) A laser device according to claim 80, wherein the spatial modulation element is a liquid crystal cell.

85. (Previously Presented) A laser device according to claim 81, wherein the spatial modulation element is a liquid crystal cell.

86. (Previously Presented) A laser device according to claim 81, wherein the laser light source further includes an optical waveguide for guiding the laser light from the semiconductor laser.

Application No.: 10/712,126 SNK-3750US4  
Amendment Dated: December 11, 2006  
Reply to Office Action of: September 12, 2006

87. (Withdrawn) A laser device according to claim 78, wherein the semiconductor laser is wavelength-locked.

88. (Withdrawn) A laser device according to claim 79, wherein the semiconductor laser is wavelength-locked.

89. (Withdrawn) A laser device according to claim 80, wherein the semiconductor laser is wavelength-locked.

90. (Currently Amended) A laser device according to claim 81, wherein ~~the semiconductor laser is wavelength-locked wavelength locking is performed using a grating or a filter.~~

91. (New) A laser device according to claim 90, wherein wavelength-locking is performed using a grating or a filter.

92. (New) A laser device, comprising:

at least one laser light source including a semiconductor laser;  
a first optical system for irradiating a spatial modulation element with laser light emitted from the laser light source; and

a second optical system for irradiating a screen with the light emitted from the spatial modulation element,

wherein the laser light source further includes:

a fiber for conveying laser light from the semiconductor laser;  
a solid state laser crystal for receiving laser light from the fiber and generating a fundamental wave; and

Application No.: 10/712,126 SNK-3750US4  
Amendment Dated: December 11, 2006  
Reply to Office Action of: September 12, 2006

a bulk type optical wavelength conversion element in which periodic domain inverted structures are formed, the optical wavelength conversion element receiving the fundamental wave and generating a harmonic wave,

wherein the fiber is configured to prevent a variation in temperature of the optical wavelength conversion element caused by a heat generated from the semiconductor laser.

93. (New) A laser device according to claim 92, wherein the spatial modulation element is a liquid crystal cell.

94. (New) A laser device according to claim 92, wherein the semiconductor laser is wavelength-locked.

95. (New) A laser device according to claim 94, wherein wavelength-locking is performed using a grating or a filter.